

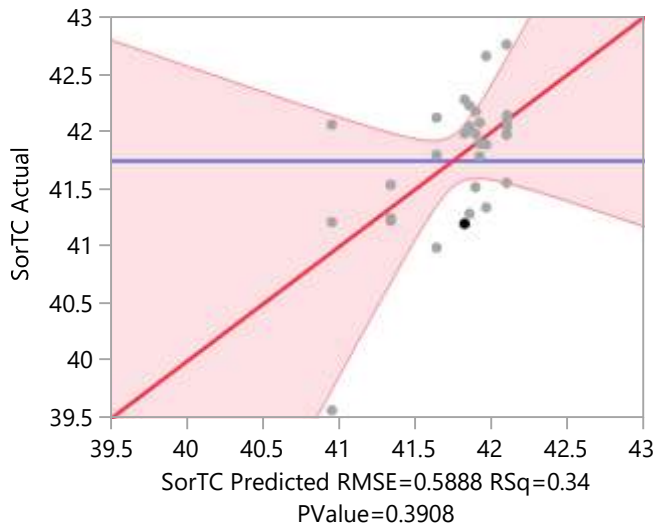
Response SorTC

Singularity Details

Term	Details
N rate[0]	=0.33333*N rate[140] + 0.33333*N rate[168] + N source[0] - 0.33333*N ...
N rate[140]	= - 3*N rate[140]*N source[0] + N rate[140]*N source[CRU-60] + N rate[...
N source[CRU-60]	= - 3*N rate[0]*N source[CRU-60] + N rate[140]*N source[CRU-60] + N r...

Whole Model

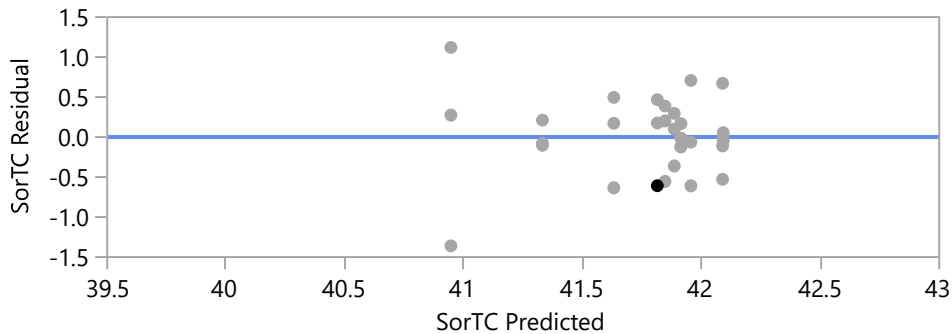
Actual by Predicted Plot



Effect Summary

Source	LogWorth	PValue
N rate*N source	0.161	0.69002
N source	.	.
N rate	.	.

Residual by Predicted Plot



Summary of Fit

RSquare	0.336058
RSquare Adj	0.037284
Root Mean Square Error	0.588783
Mean of Response	41.75473
Observations (or Sum Wgts)	30

Response SorTC

Whole Model

Analysis of Variance

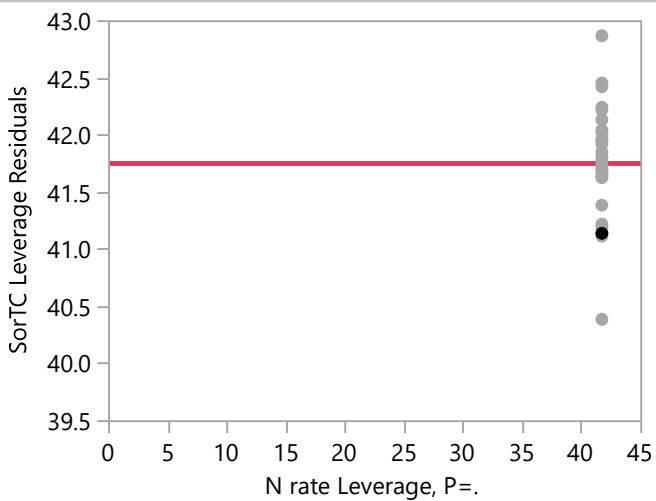
Source	DF	Sum of Squares	Mean Square	F Ratio
Model	9	3.509325	0.389925	1.1248
Error	20	6.933297	0.346665	Prob > F
C. Total	29	10.442622		0.3908

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F	
N rate	3	0	0.00000000	.	.	LostDFs
N source	3	0	0.00000000	.	.	LostDFs
N rate*N source	9	4	0.78512304	0.5662	0.6900	LostDFs

N rate

Leverage Plot



Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
0	0 NonEstimable	.	40.9500
140	0 NonEstimable	.	41.6904
168	0 NonEstimable	.	41.8963
224	0 NonEstimable	.	41.9457

LSMeans Differences Tukey HSD

$\alpha = 0.050$ $Q = 2.79894$

Response SorTC

N rate

LSMeans Differences Tukey HSD

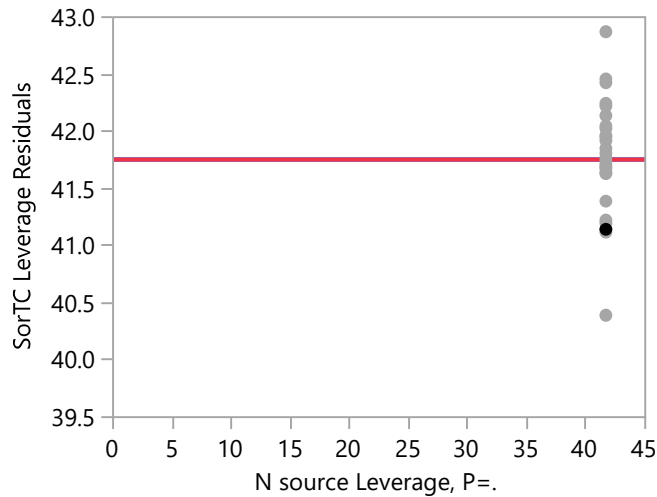
		LSMean[j]			
Mean[i]-Mean[j]		0	140	168	224
LSMean[i]	Std Err Dif				
	Lower CL Dif				
	Upper CL Dif				
	0	0	0	0	0
		0	2.71947	3.04046	2.71947
		0	-7.6116	-8.5101	-7.6116
		0	7.61163	8.51006	7.61163
	140	0	0	0	0
		2.71947	0	0.48074	0.48074
		-7.6116	0	-1.3456	-1.3456
		7.61163	0	1.34556	1.34556
	168	0	0	0	0
		3.04046	0.48074	0	0.48074
		-8.5101	-1.3456	0	-1.3456
		8.51006	1.34556	0	1.34556
	224	0	0	0	0
	2.71947	0.48074	0.48074	0	
	-7.6116	-1.3456	-1.3456	0	
	7.61163	1.34556	1.34556	0	

Level		Least Sq Mean
0	A	0
140	A	0
168	A	0
224	A	0

Levels not connected by same letter are significantly different.

N source

Leverage Plot



Response SorTC

N source

Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
0	0 NonEstimable	.	40.9500
CRU-60	0 NonEstimable	.	41.9340
CRU-75	0 NonEstimable	.	41.8831
U	0 NonEstimable	.	41.7153

LSMeans Differences Tukey HSD

$\alpha = 0.050$ $Q = 2.79894$

LSMean[i]	Mean[i]-Mean[j]	LSMean[j]			
		0	CRU-60	CRU-75	U
	Std Err Dif				
	Lower CL Dif				
	Upper CL Dif				
0	0	0	0	0	0
	0	1.27192	0.83266	1.27192	
	0	-3.56	-2.3306	-3.56	
	0	3.56001	2.33057	3.56001	
CRU-60	0	0	0	0	0
	1.27192	0	0.48074	0.48074	
	-3.56	0	-1.3456	-1.3456	
	3.56001	0	1.34556	1.34556	
CRU-75	0	0	0	0	0
	0.83266	0.48074	0	0.48074	
	-2.3306	-1.3456	0	-1.3456	
	2.33057	1.34556	0	1.34556	
U	0	0	0	0	0
	1.27192	0.48074	0.48074	0	
	-3.56	-1.3456	-1.3456	0	
	3.56001	1.34556	1.34556	0	

Level		Least Sq Mean
0	A	0
CRU-60	A	0
CRU-75	A	0
U	A	0

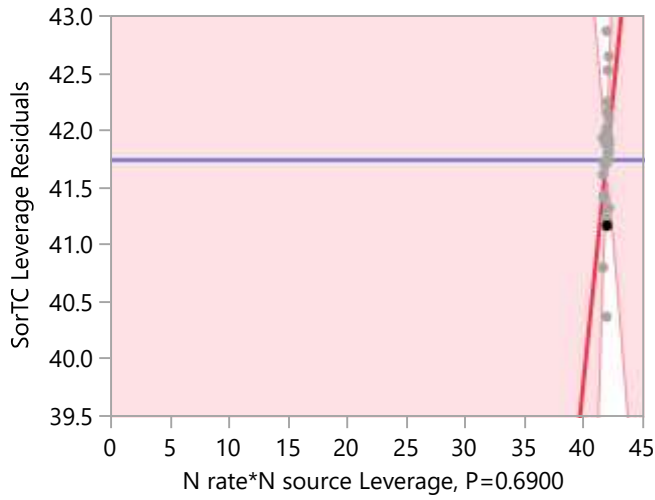
Levels not connected by same letter are significantly different.

N rate*N source

Response SorTC

N rate*N source

Leverage Plot



LSMeans Differences Tukey HSD

$\alpha = 0.050$ $Q = 3.88361$

Level		Least Sq Mean
224,CRU-75	A	42.096333
168,CRU-60	A	42.093333
168,U	A	41.960333
140,CRU-75	A	41.917667
224,CRU-60	A	41.890000
224,U	A	41.850667
140,CRU-60	A	41.818667
168,CRU-75	A	41.635333
140,U	A	41.335000
0,0	A	40.950000
0,CRU-60	B	0.000000
0,CRU-75	B	0.000000
0,U	B	0.000000
140,0	B	0.000000
168,0	B	0.000000
224,0	B	0.000000

Levels not connected by same letter are significantly different.